



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Sunday, May 24, 2015
Issued: 0800 CT

Day 1 Hazards: Heavy rain threat along with slight risk of severe thunderstorm area pushes east into east TX/OK, west AR/LA

Continuing Hazards: Major river flood ongoing across numerous rivers in OK/TX

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX



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Key Points



Sunday

- Flash flood threat continues over east TX/OK and expand into western LA/AR
- **Many areas will likely see flash flooding, particularly low water crossings and poor drainage areas**
- Moderate to Major River Flooding will continue over TX, OK, AR and LA
 - **Rivers/creeks and some lakes will have stronger than normal flow/currents creating dangerous conditions in and on waterways**
- Slight Risk area for east TX/OK and western AR/LA as well as the OK/TX Panhandles
 - Damaging winds/hail are the primary hazards but a few tornadoes are possible.

Monday - Wednesday

- Heavy rain and flash flood threat continues over eastern OK into north TX through south-central and east TX as well as southern AR and western LA
- Severe thunderstorms with hail/damaging wind and isolated tornadoes from central and E TX.
- Heavy rain threat will decrease on Tuesday and Wednesday
 - Isolated to scattered thunderstorms could still produce localized flash flooding on saturated grounds.

Thursday

- Showers/thunderstorms returning to SW and central TX/OK with additional rainfall.

River Flooding

- **Major river flooding along the Nueces River of S Texas the Red River across TX/OK the Boggy**

*FEMA Region 6 Threat Matrix

May 24, 2015 - May 28, 2015

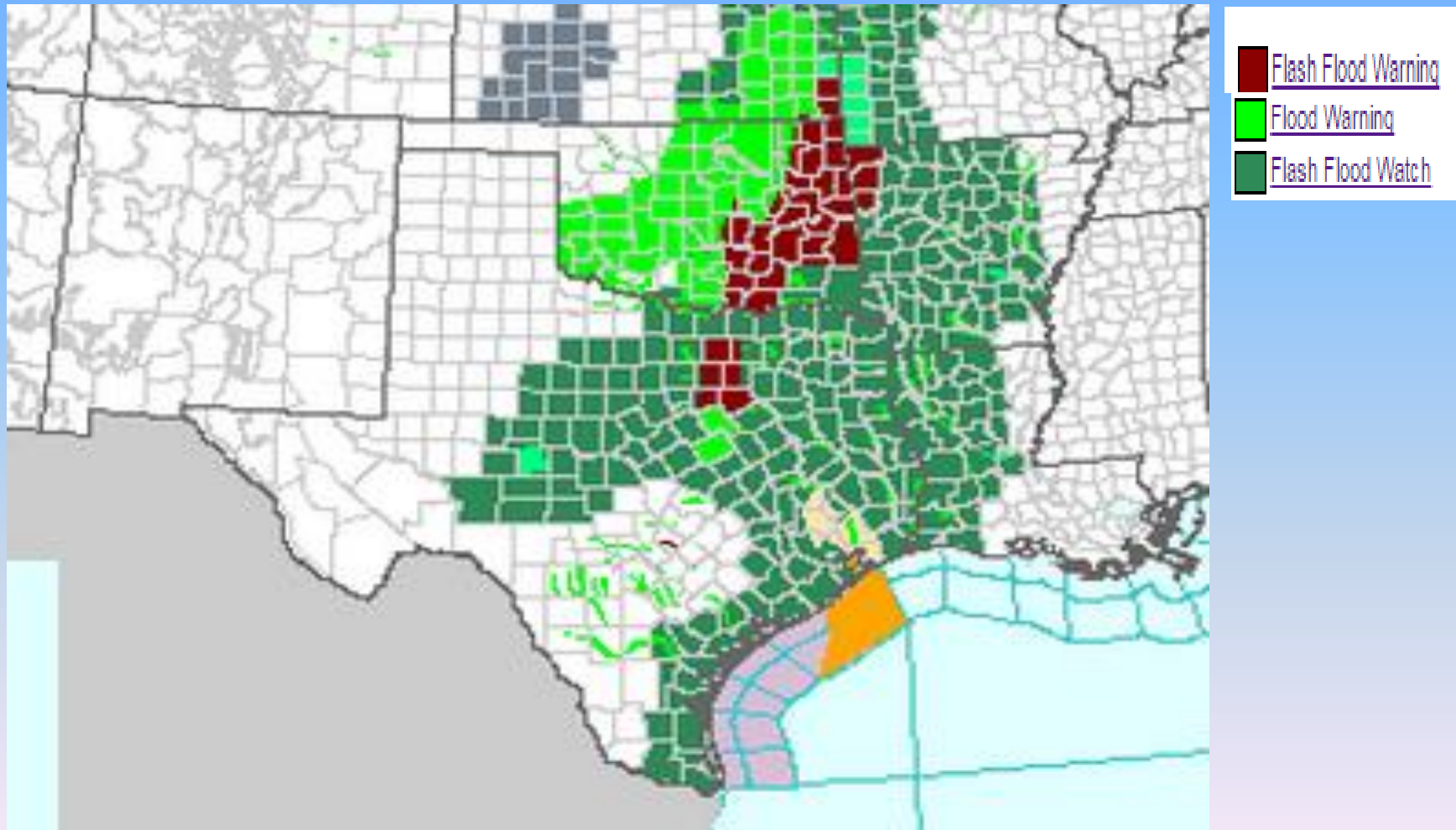
DAY/ THREAT	SUN	MON	TUE	WED	THU
Severe Storms	E OK/NE TX NW LA/AR	Central - S/E TX	E AR/NE LA		
Heavy Rain /Flooding	E TX, E OK, W AR, W LA	N TX, C TX, E TX, W AR, W LA	AR/LA	Localized across the Region	SW TX/OK
Fire					
River Flooding	TX, S OK	TX, S OK	TX, S OK	TX, S OK	TX, S OK
			AR/LA	AR/LA	AR/LA

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

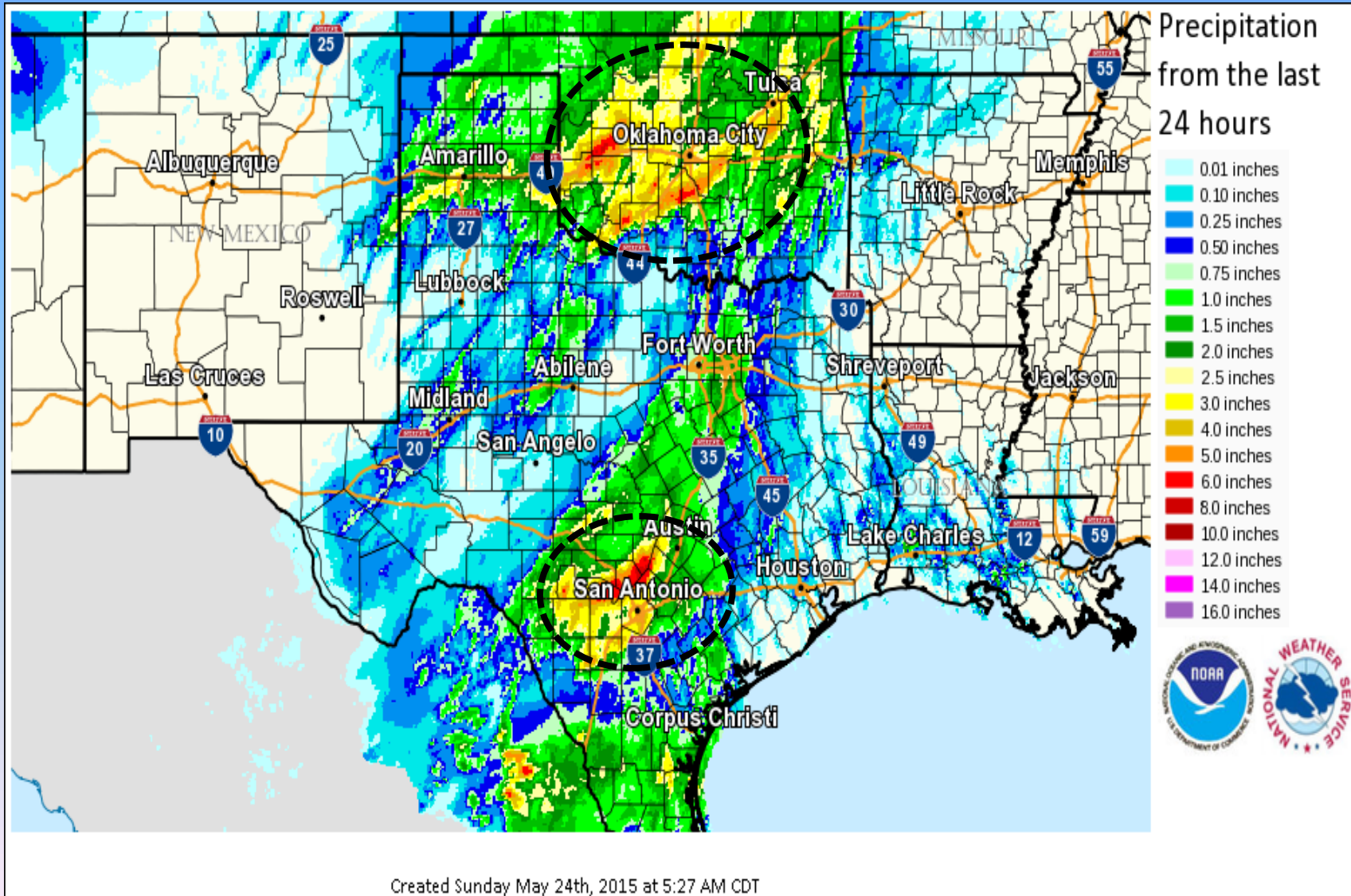
We are experimenting with a new color scale to the left as of April 13th. Please provide feedback to sr-srh.roc@noaa.gov. See next slide for more details.



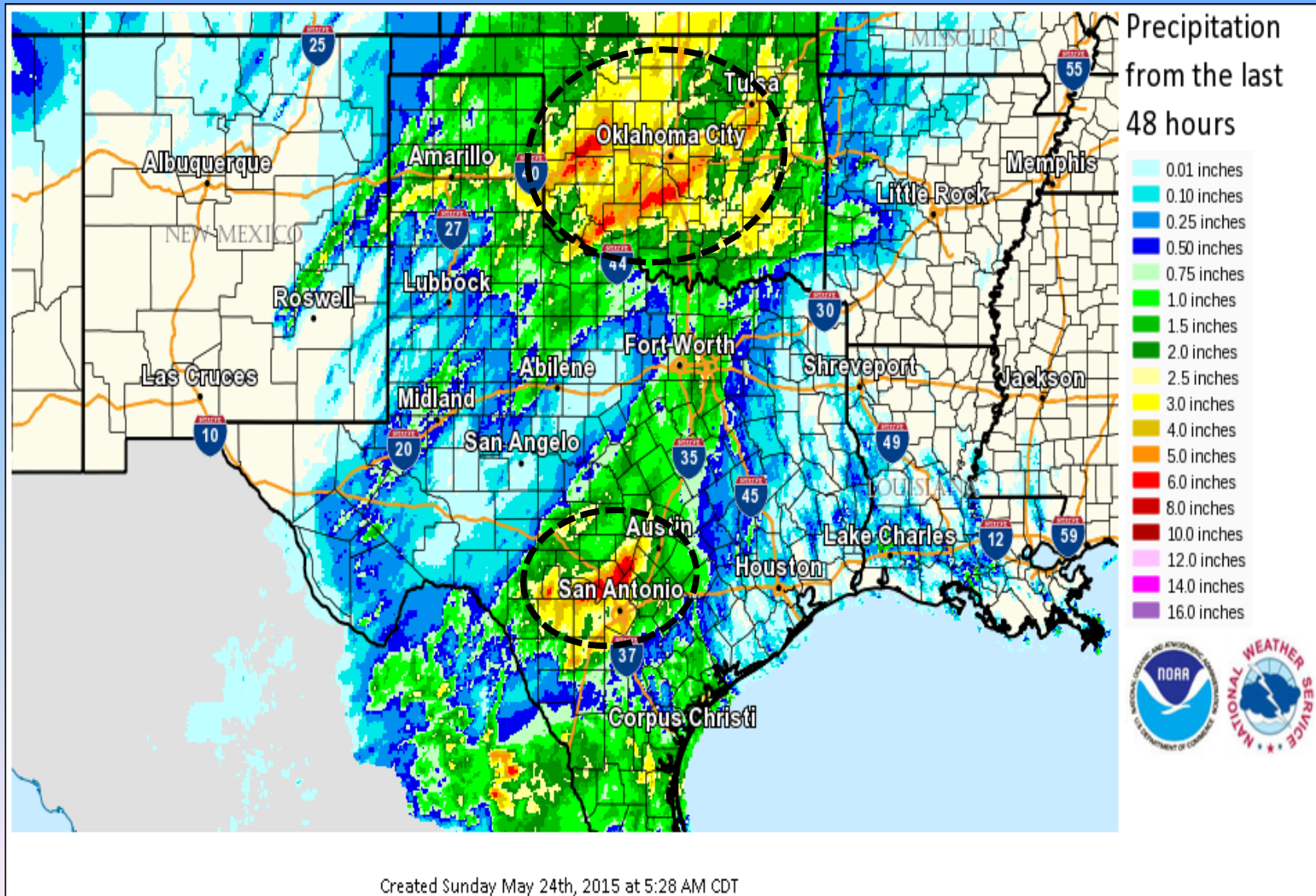
Current Watches/Warnings



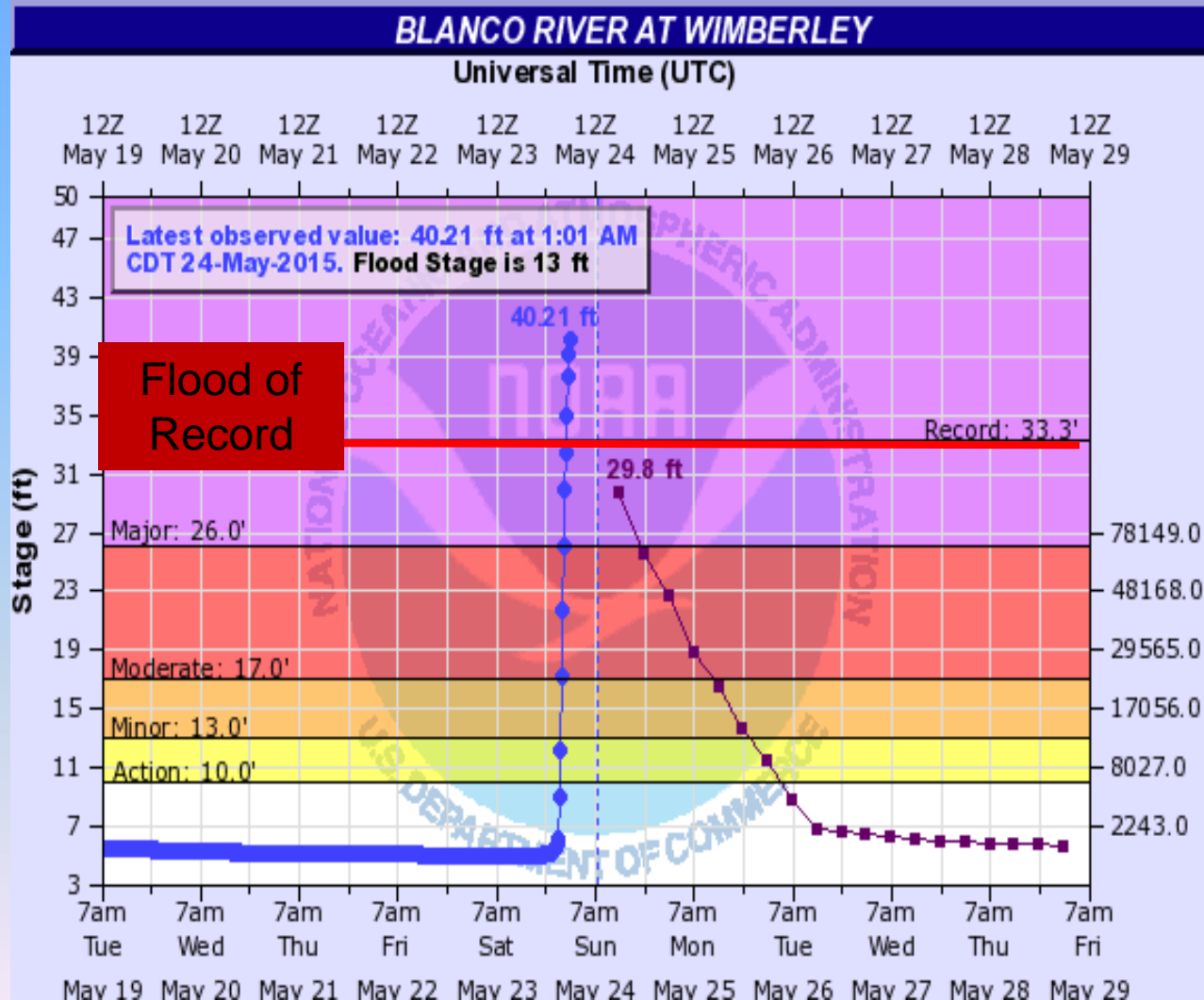
24 Hour Observed Precipitation



48 Hour Observed Precipitation

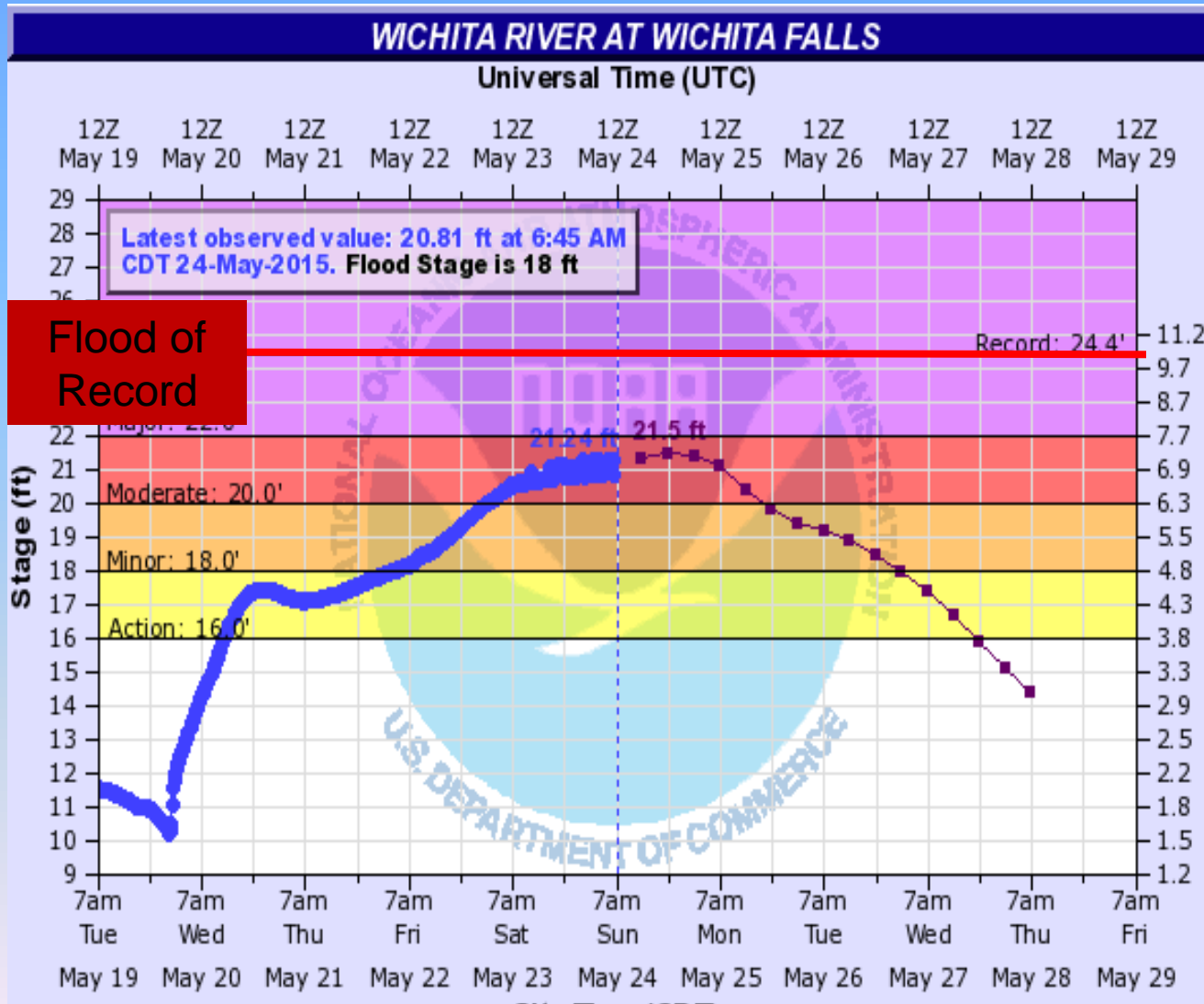


Blanco River at Wimberley



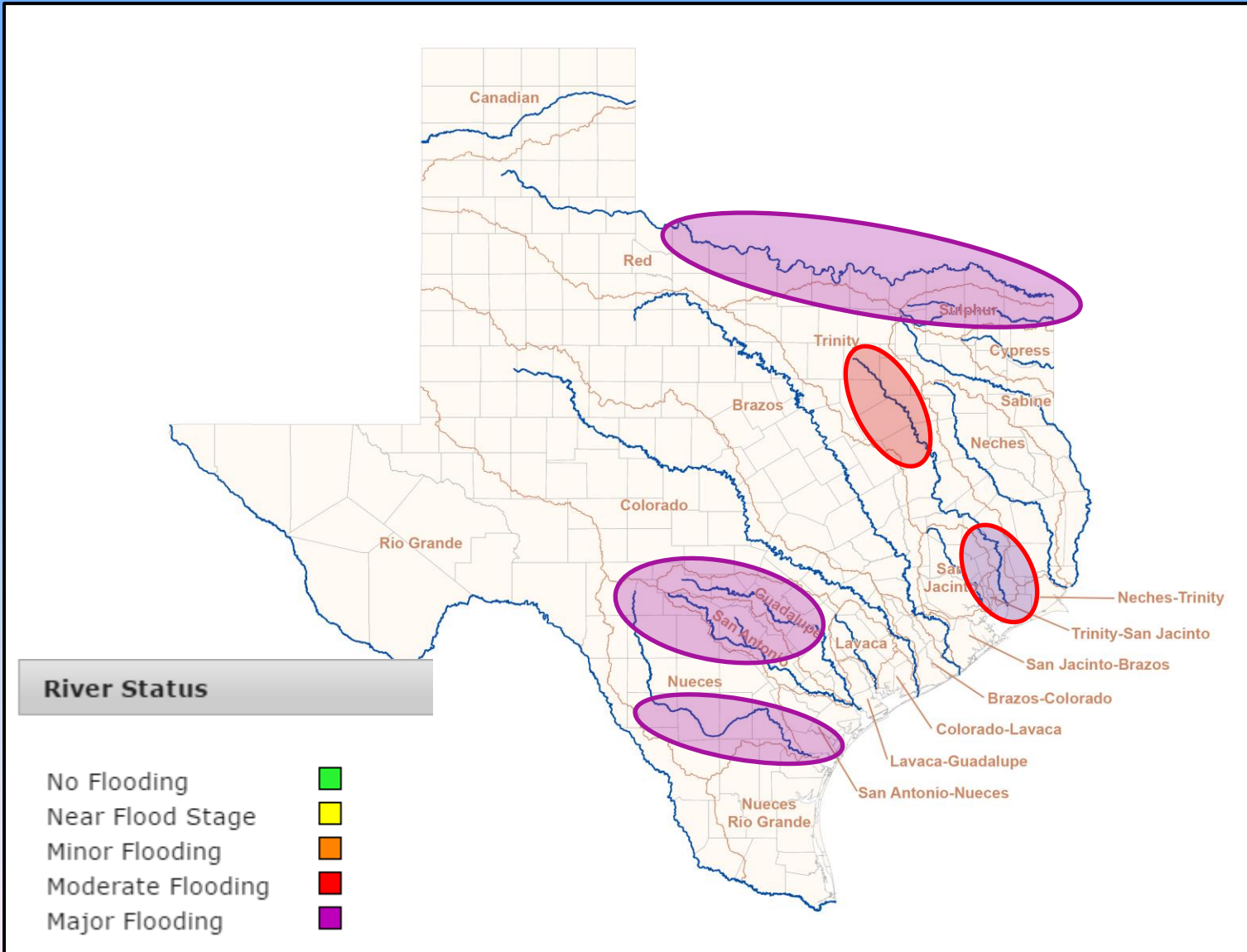
- Flood of record exceeded by 7 feet
- Approximately 350 homes evacuated
- Additional rain/runoff will delay crests and may cause water levels to rise again

Wichita River at Wichita Falls













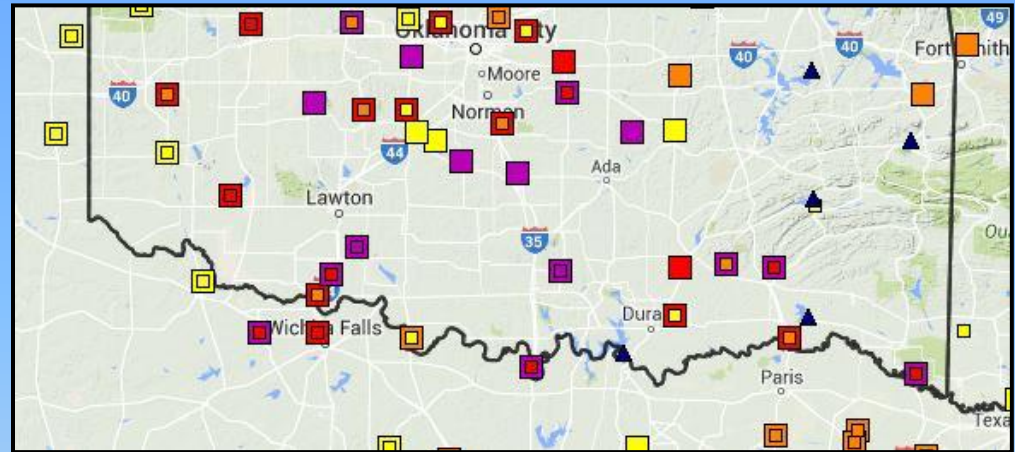
- In Wichita Falls, extensive flooding occurs in Harrell and Lucy Parks.
- Flooding occurs in homes north of Third Street, in Tanglewood Hollow and in Scotland Park.
- Flood depths up to 2 feet occur in an area north of Sixth Street and east of Scott Avenue.

Forecast Flood Potential – N TX/S OK



Red River

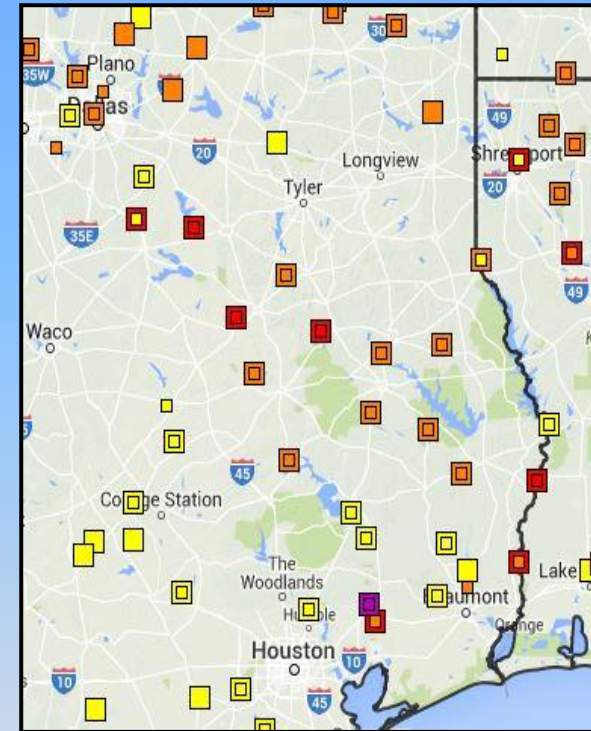
River Status		
	Observed	Forecast
No Flooding		
Near Flood Stage		
Minor Flooding		
Moderate Flooding		
Major Flooding		



- **Moderate Flood Impacts near Wichita Falls**
 - In Wichita Falls... extensive flooding occurs in Harwell and Lucy Parks. Shallow flooding occurs in homes north of Third Street and in Tanglewood Hollow... and in Scotland Park.
- **Major Flood Impacts near Gainesville**
 - Crop and range lands, pecan groves, oil wells, and rural roads are flooded or isolated. Low-lying fields, upstream in Cooke County experience overflows several hours before the crest reaches the Interstate Highway I-35 crossing north of Gainesville. Livestock and other property should be removed.

Trinity River

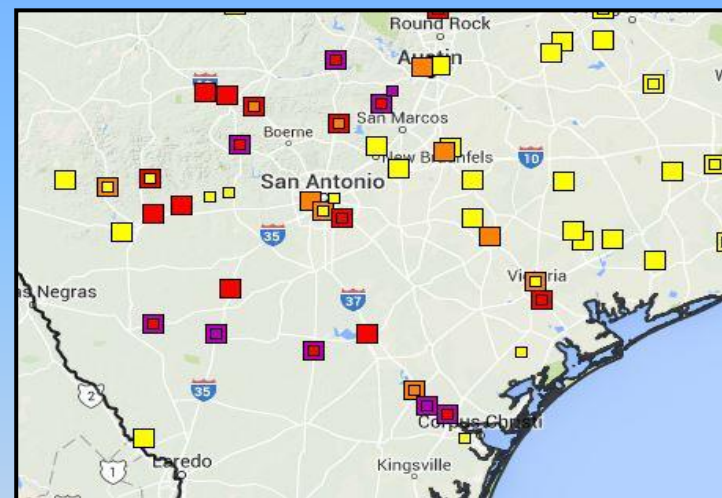
- **Major Flood Stage at Liberty**
 - Due to releases from Lake Livingston
 - Expected to hold steady at 29ft – Major Flood
 - Major lowland flooding begins as homes in several subdivisions above Liberty begin flooding. Extensive flooding over much of Liberty County can be expected with each incremental rise in the river.
- **Additional rainfall amounts over the upper Trinity will lead to moderate and major flooding this weekend; heavy rainfall over this area on Monday/Tuesday will prolong the flooding at these higher levels.**
- **NWS forecasts incorporate US Army Corps of Engineers releases from reservoirs.**



River Status		
	Observed	Forecast
No Flooding	Green square	Green square
Near Flood Stage	Yellow square	Yellow square
Minor Flooding	Orange square	Orange square
Moderate Flooding	Red square	Red square
Major Flooding	Purple square	Purple square

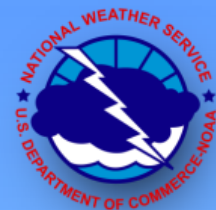
Nueces River

- **Major Flooding at several points along the Nueces**
 - **Blanco River at Wimberly (record flood 7ft higher than previous record)**
 - **At Three Rivers, creeks backing up water in the River Creek Acres Subdivision SE of George West**
 - **Below Bluntzer, west bank residents may be cut off for weeks**
 - **At Calallen, residents in lowest areas may be cut off for days/weeks, some residents may need to be evacuated**
- **Additional rainfall amounts over the next 5 days of 3-5 inches will continue the ongoing major flooding and prolong flooding for weeks.**



River Status		
	Observed	Forecast
No Flooding		
Near Flood Stage		
Minor Flooding		
Moderate Flooding		
Major Flooding		

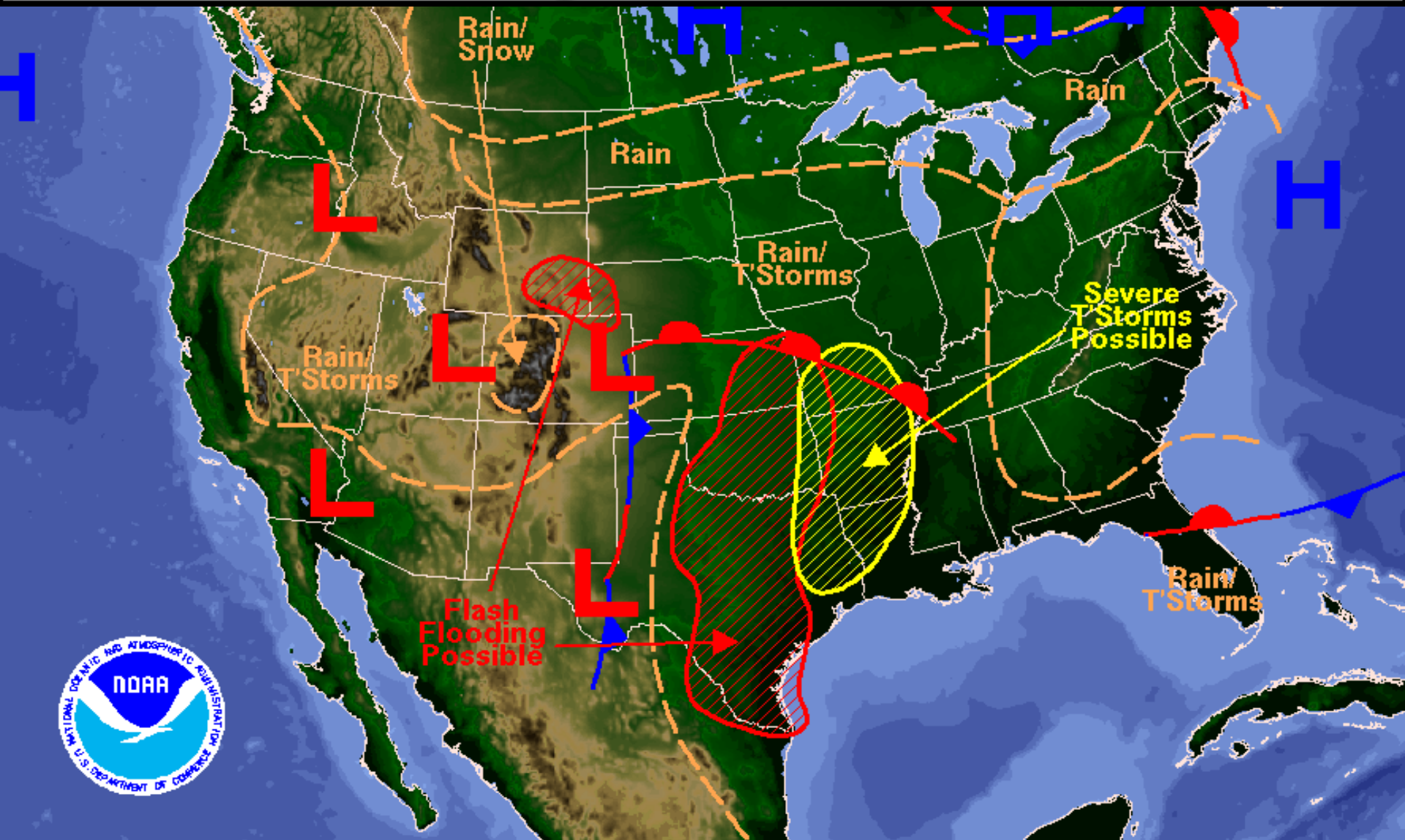
We are experimenting with a new color scale in these briefings, starting on April 13th. The criteria is below, please provide your feedback to sr-srh.roc@noaa.gov and we plan to re-evaluate in the coming months.



Weather "Threat" Matrix

Color	Definition	Criteria	Example(s)
Green	Very Common – Happens Often Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

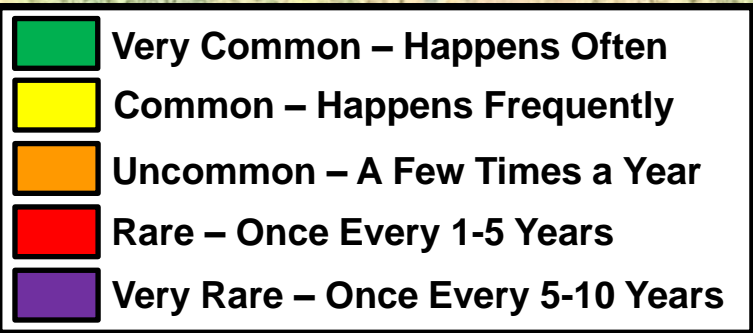
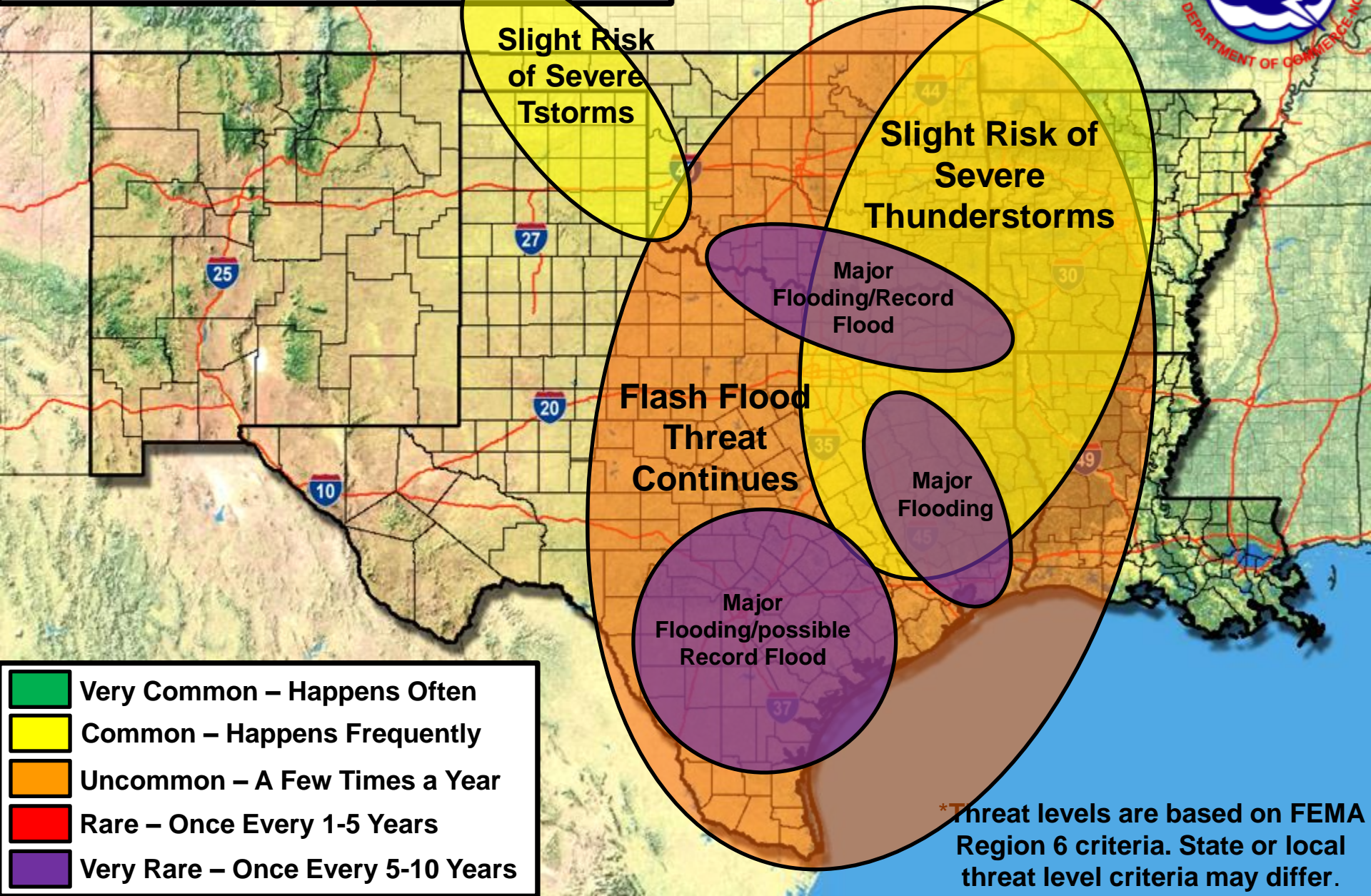
Today's Weather



Weather Forecast for Sun, May 24, 2015, issued 4:19 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Krekeler based on WPC, SPC and NHC forecasts

Day 1 Weather Hazards

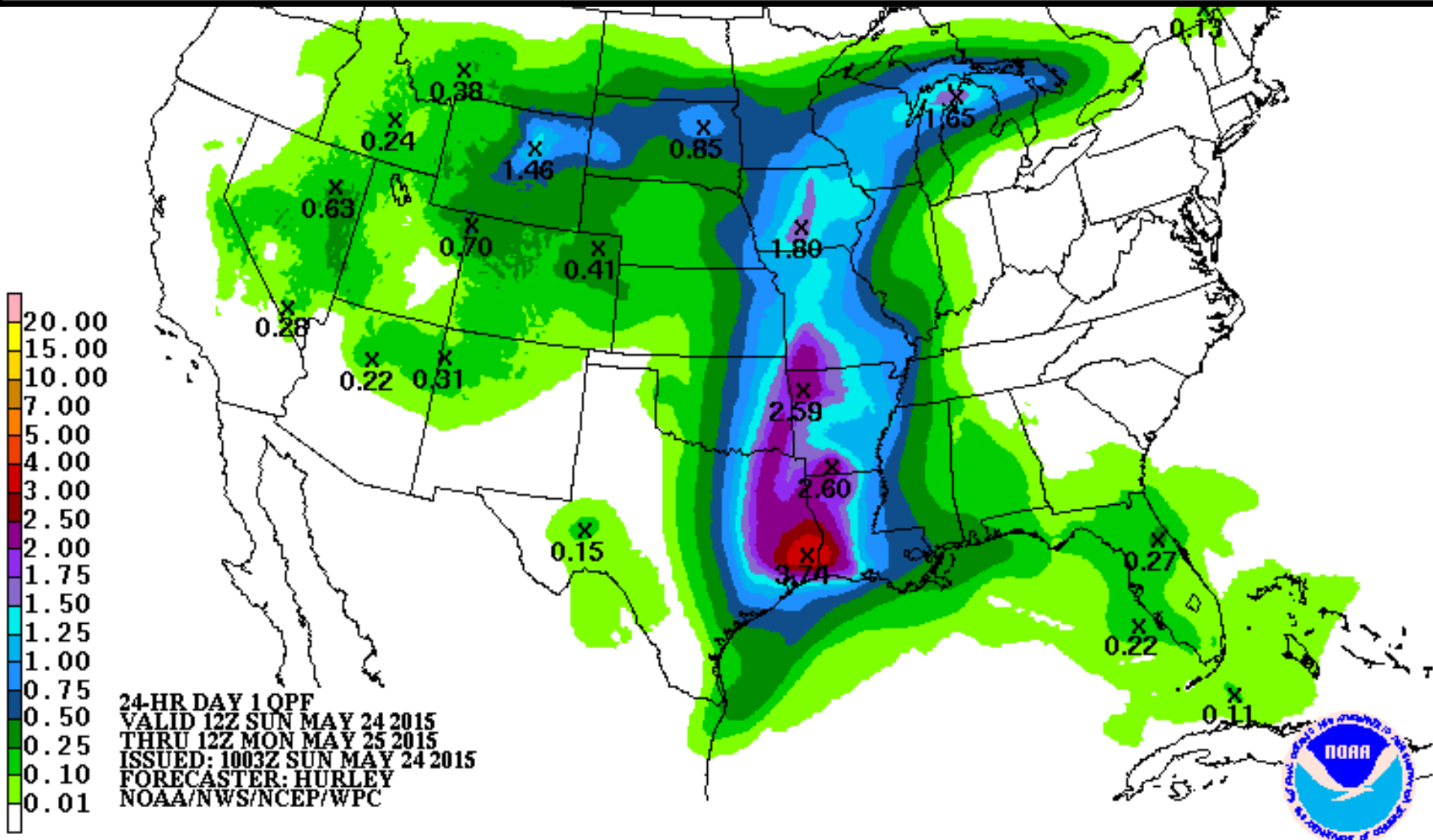
Valid: 0800 Sun - 0800 Mon



*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

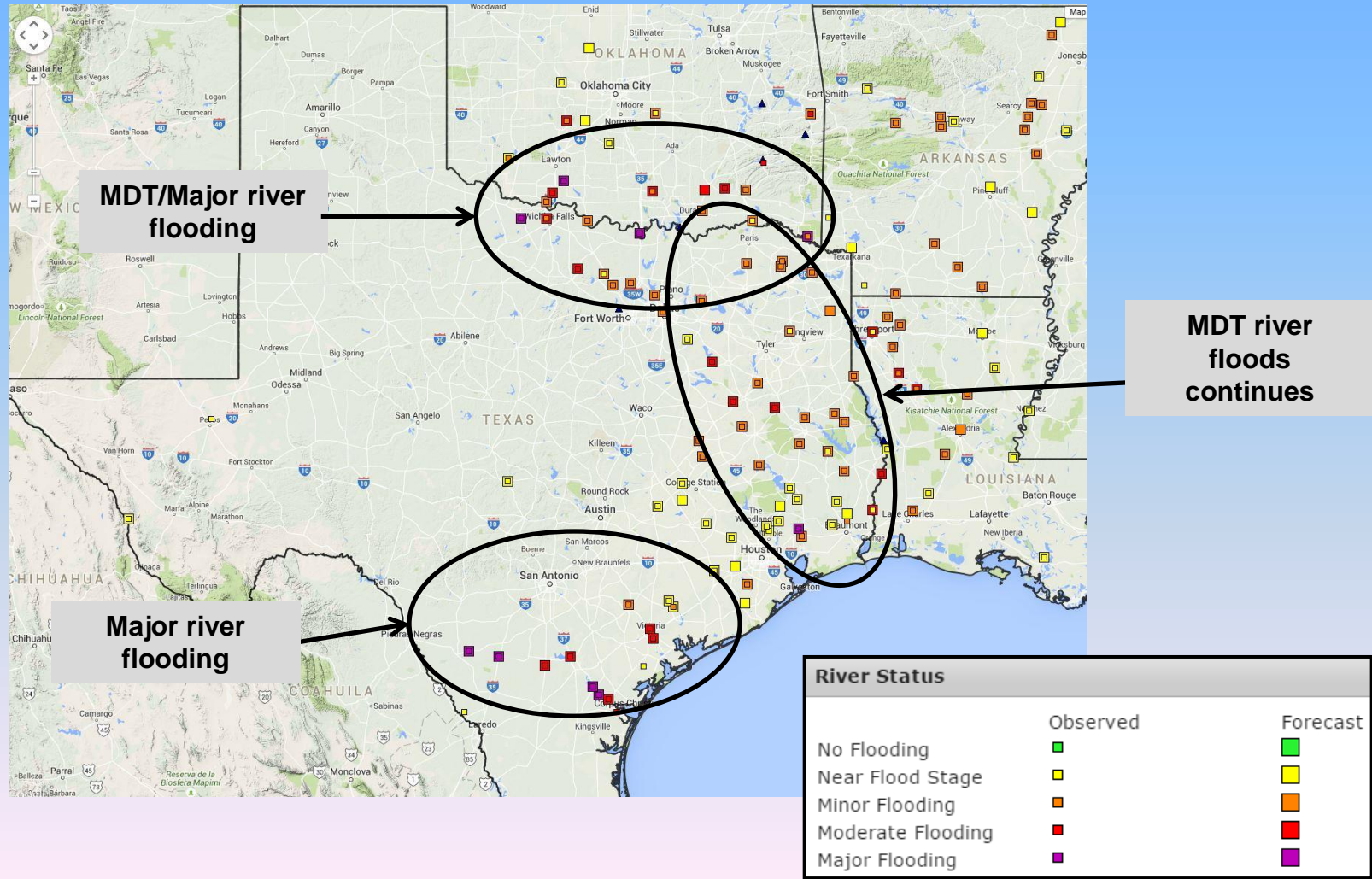
Today's Precipitation

Sun AM - Mon AM

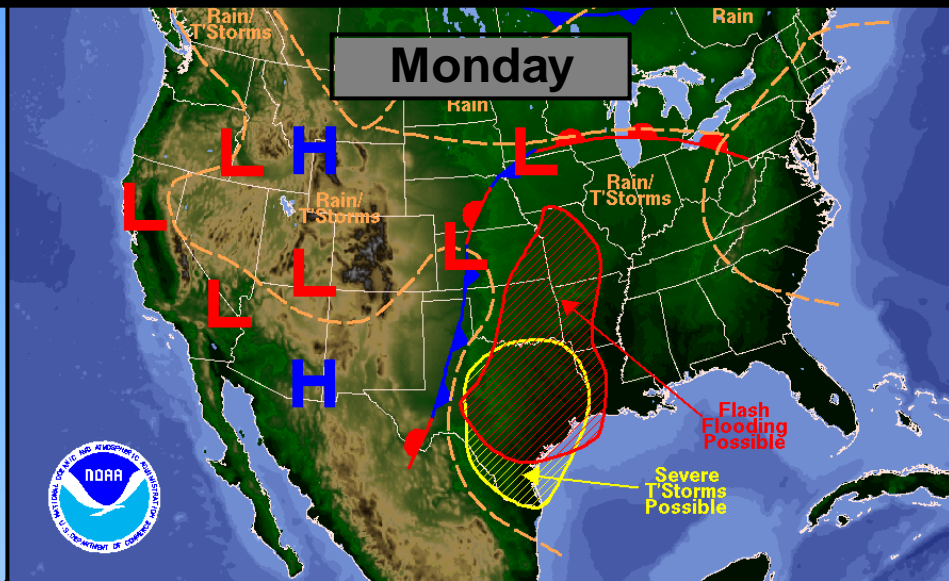


Current River Status / Near Term Forecast

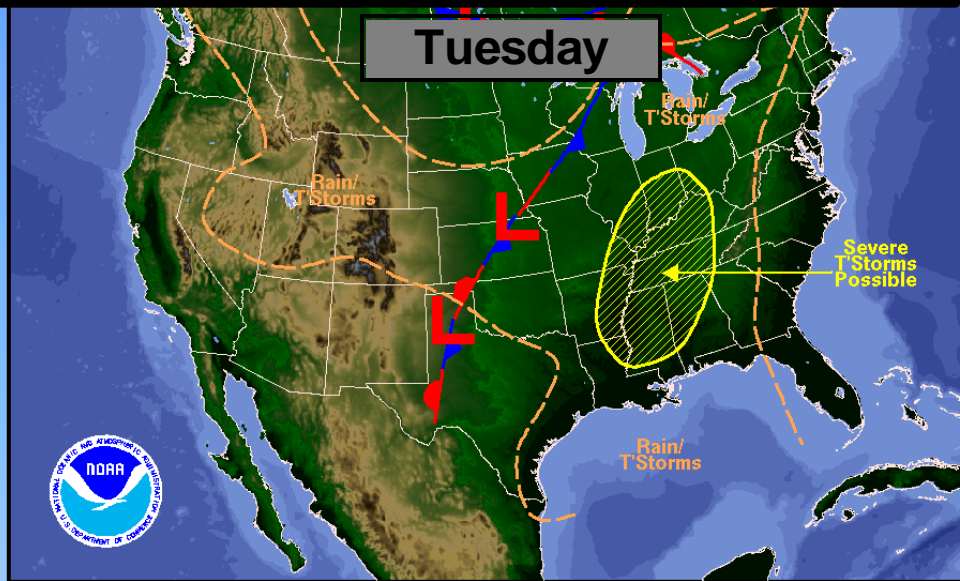
- Major river flooding continuing for parts of S Texas.
- Moderate river flooding is expected to continue/maintain through next week over parts of E Texas. Significant additional rises (on the Trinity below Dallas) are not expected to occur at this time.



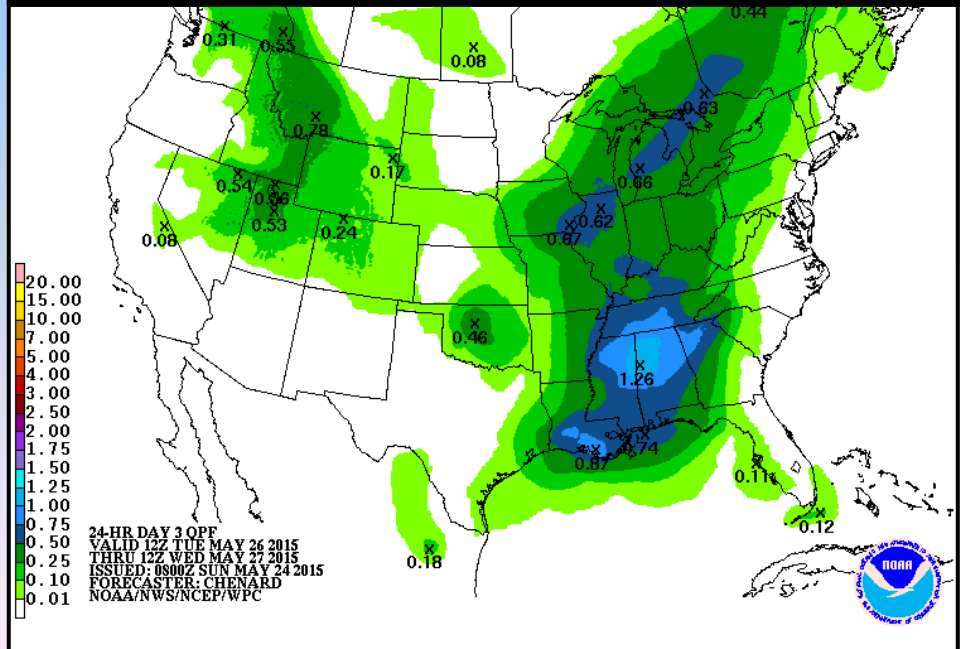
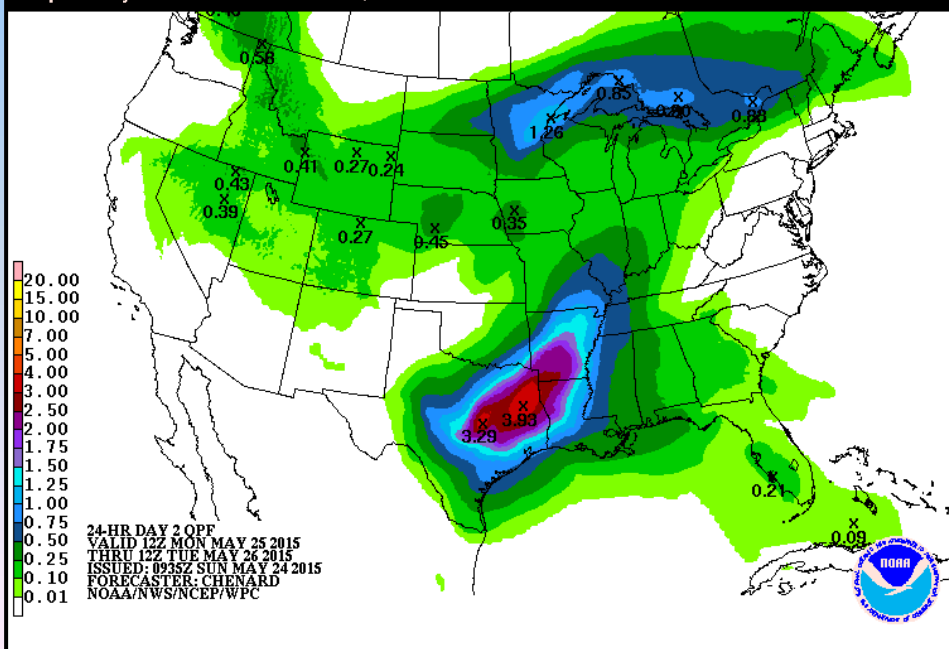
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Mon, May 25, 2015, issued 4:27 AM EDT Sun, May 24, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Krekeler based on WPC, SPC and NHC forecasts

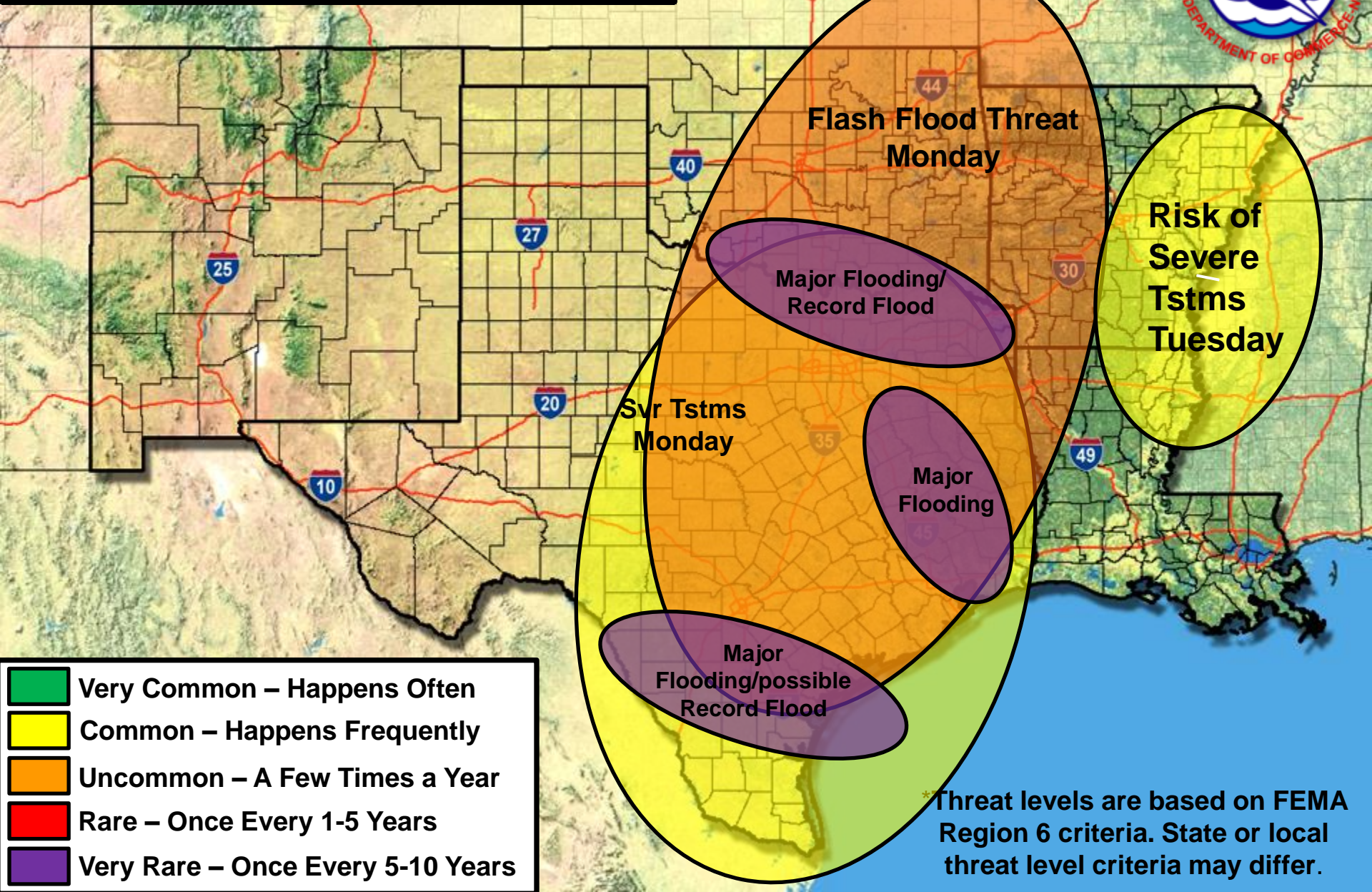
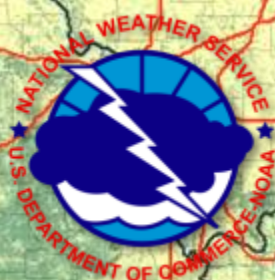


Weather Forecast for Tue, May 26, 2015, issued 4:31 AM EDT Sun, May 24, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Krekeler based on WPC, SPC and NHC forecasts



Day 2-3 Weather Hazards

Valid: 0800 Mon - 0800 Wed



Flash Flood Threat Monday

Risk of Severe Tstms Tuesday






Major Flooding/Record Flood

Svr Tstms Monday

Major Flooding

Major Flooding/possible Record Flood

*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

-  Very Common – Happens Often
-  Common – Happens Frequently
-  Uncommon – A Few Times a Year
-  Rare – Once Every 1-5 Years
-  Very Rare – Once Every 5-10 Years

Day 4-5 Weather Hazards

Valid: 0800 Wed - 0800 Fri

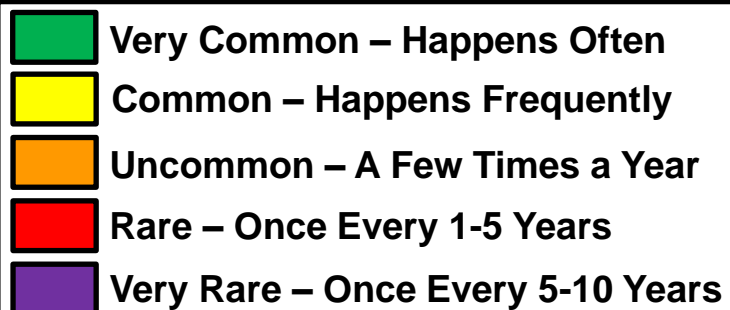


Widespread, heavy rainfall not expected over the most flood impacted areas, but scattered thunderstorms could lead to localized flash flooding

**Major Flooding/
Record Flood**

**Major
Flooding**

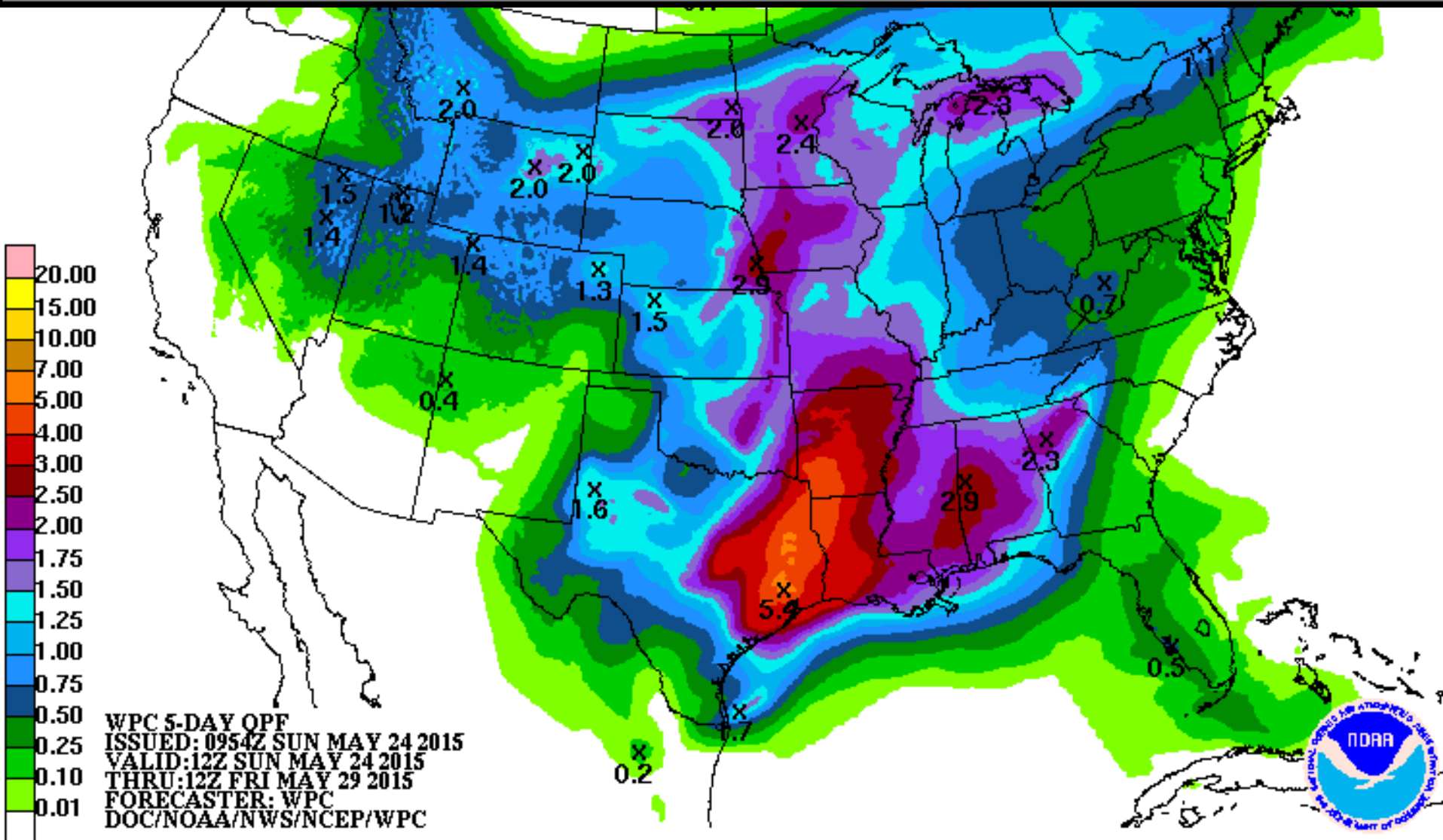
**Major
Flooding/possible
Record Flood**

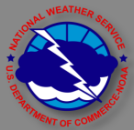


***Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.**

5-Day Precipitation

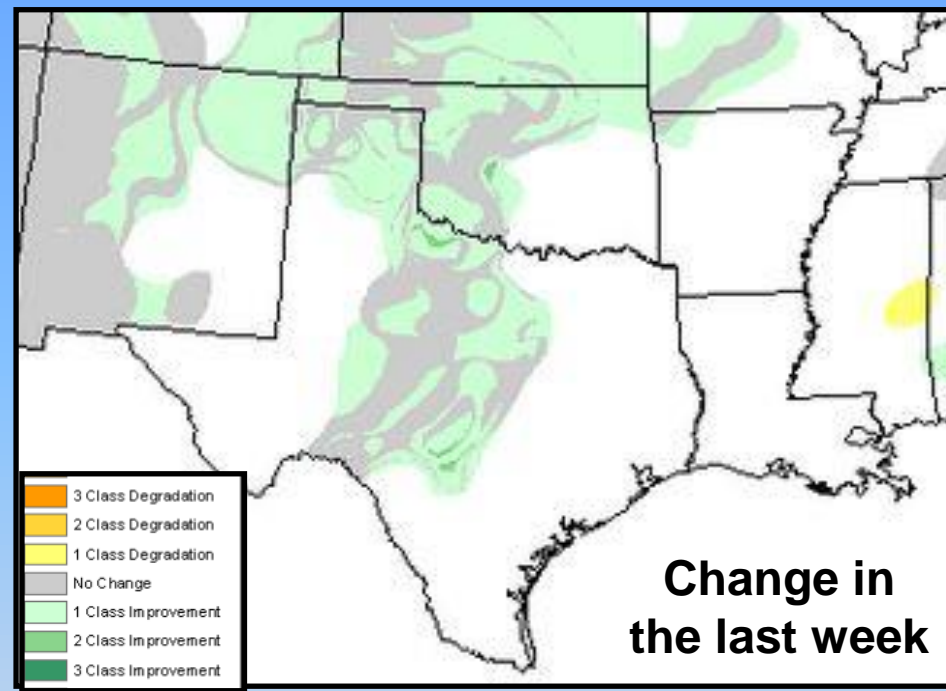
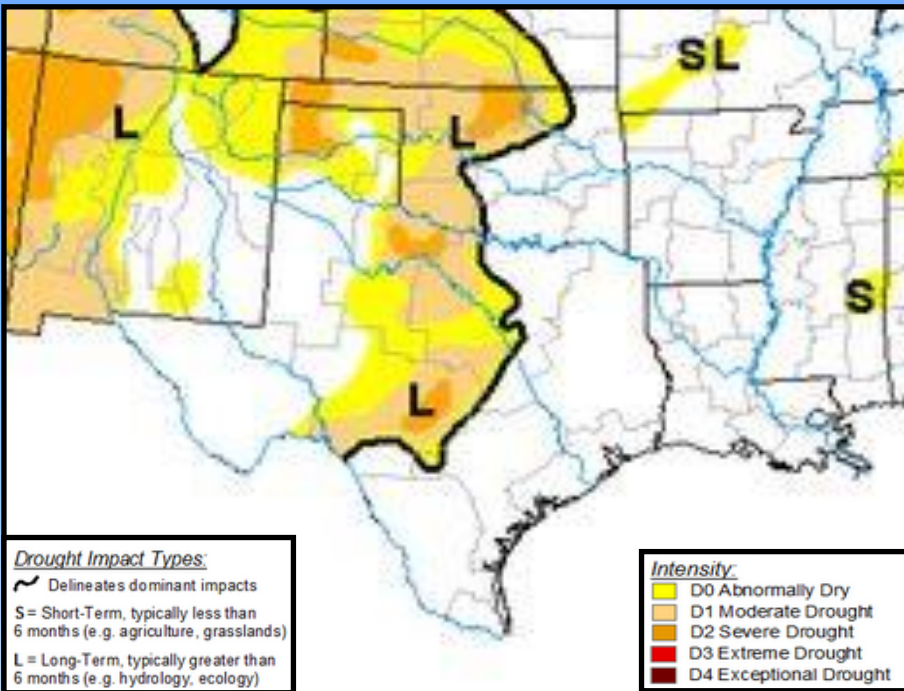
Sun AM - Fri AM





Drought Monitor Released May 21st, 2015

Data valid as of Tuesday, May 19th, 2015 at 7AM EST



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	3.72%	22.81%	61.24%
Texas	0.00%	1.93%	13.92%	40.35%
New Mexico	0.00%	0.00%	3.70%	37.23%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

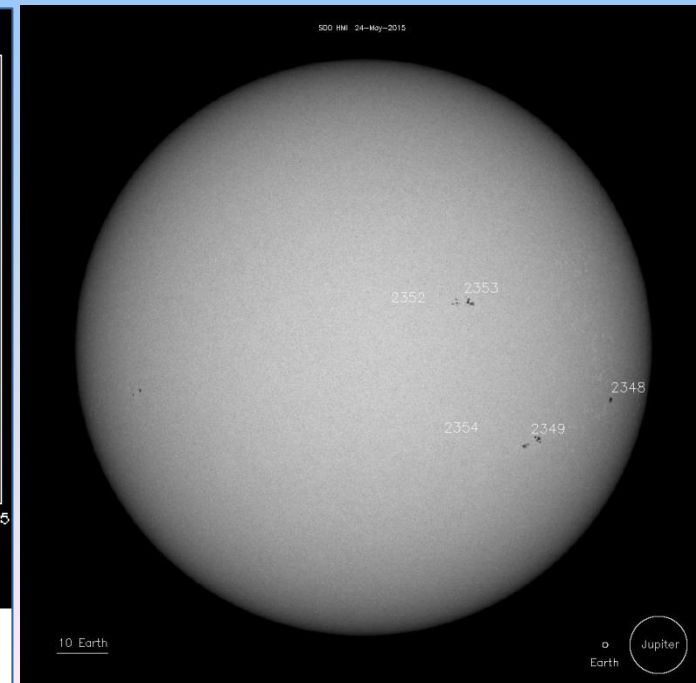
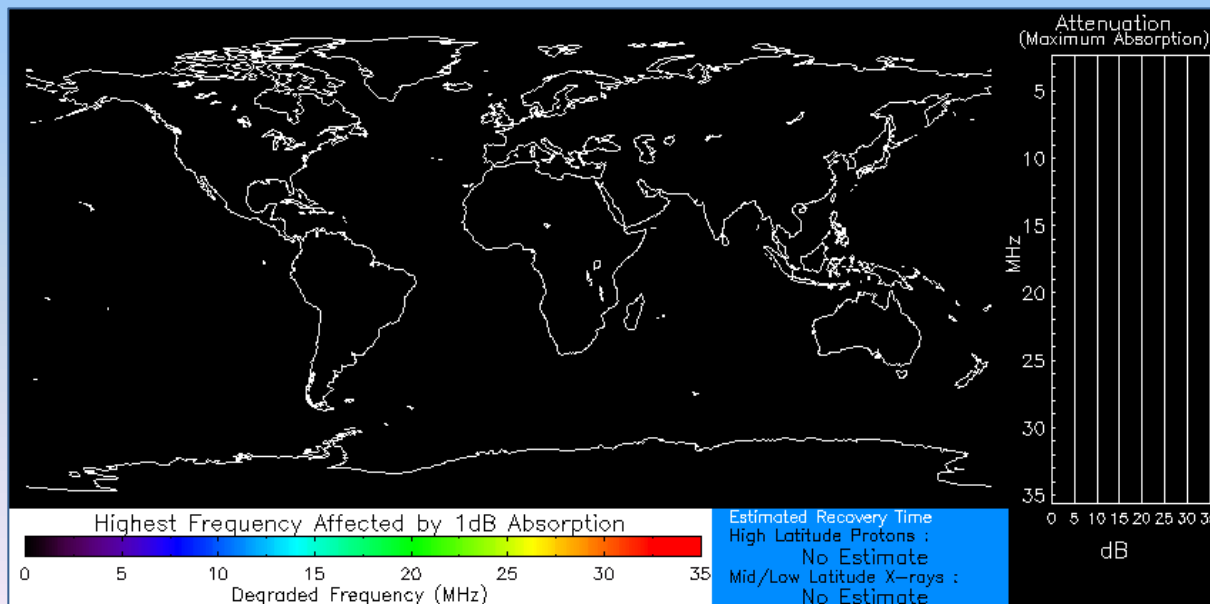
Space Weather 3-Day Forecast



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)

	Sunday	Monday	Tuesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	5%	5%	5%
Radio Blackout (R3-R5)	1%	1%	1%



Information provided by:



National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (817) 978-1100 x147

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.srh.noaa.gov>

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